

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Date: April 27, 2005

Inspector: Diana Walden

Location: Norwalk Substation Expansion

Storm/

Rain Event: The areas received between 1.12-2.35" of rain over 4/23-4/24 and 0.5" on the day of the inspection as reported by NOAA.

Areas of Inspection	Observation	Recommended Action
Access Roads and Adjacent Roadways	<ul style="list-style-type: none"> - The silt fence around the inlet has been partially repaired but more on site and off site sediment continues to deposit here. Erosion and washouts persist near the silt fence base 4/13-4/27/05 - Some silt from the minor erosion had been noticeable within the earthen swale and the area may require some housekeeping in the growing season. 4/27/05 - DOT has mulched the disturbance area on the riverbank but grass growth has not occurred yet. It will continue to be monitored. 4/27/05 	<ul style="list-style-type: none"> -The volume of water going to this inlet is causing erosion at the base of the silt fence. 4/13-4/27/05 -The best solution is vegetative cover here as soon as possible with the growing season. Some grass growth has occurred but remaining bare areas may need seeding. 4/27/05 - The earthen swale and surrounding area has some minor growth but will likely require additional stabilization in the growing season. 4/6-4/27/05 - DOT's work is not associated with the project but is mentioned as a potential source of off-site sediment. It will be monitored for stabilization. 4/27/05
Foundation construction	<ul style="list-style-type: none"> -Siding work for the GIS building is complete and work is ongoing internally placing the equipment. 4/27/05 -Work on the structures near retaining wall #3 and the control house is still ongoing. 4/13-4/27/05 	<ul style="list-style-type: none"> - None at this time. 4/27/05 - Soil stockpiles are well within the yard and areas are contained, no issues at this time. 4/27/05

Areas of Inspection	Observation	Recommended Action
	-The expansion area has been spread with gravel and work here is largely complete. 4/27/05	
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	-The overflow channel continues to work well with some minor erosion along the slope and grass growth is noticeable along the sides. The plantings within the channel are also showing new growth 4/27/05.	- Continue to monitor for overall stabilization. Vegetative growth appears to be off to a good start and the situation should be evaluated later in the growing season. 4/27/05
	- The flared inlet near the Rt 7 ramp is receiving obvious stormwater flows from off site roadway and on site sources. It is apparent that much of the sediment is roadway sand and much of the runoff is from the street based on presence of gullies. Some vegetative growth is occurring here but additional seeding may be necessary. 4/27/05	- Continue to monitor until stabilized as the surrounding area is still bare soil. Part of the sedimentation is from offsite street runoff which cannot be controlled by onsite actions. The best solution here is revegetation in the growing season. 4/6-4/27/05
	- Soil stockpiles are beginning to be removed from site to appropriate locations. Most areas of excavation are completed at this time. 4/13-4/27/05	- All stockpiles and excavation areas are well within the site and there are no issues at this time. 4/27/05
Inland Wetland and Watercourse encroachment and mitigation	- Silt fence has been removed from most areas along the wetland/river side of the channel as the area is stabilized. 12/16/04	-None at this time. Continue to monitor.
State species of concern, threatened and endangered species	- No species of concern are located in this area of construction.	- N/A
Vegetative clearing limits (including trees to save or danger trees noted)	-Many of the tree plantings were showing evidence of new leaves and buds and appear to be doing well. Grass is growing in along the sides of the channel and herbaceous plantings in the channel are	- A survey should be performed to see whether any of the plantings did not survive the winter for replacement purposes. 04/27/04

Areas of Inspection	Observation	Recommended Action
	showing new growth 04/27/05	
Dewatering	- No dewatering was noted at this time. 4/27/05	-None at this time. 4/27/05
Blasting	- No blasting is occurring on site at this time and it is not anticipated to be necessary.	- None at this time.
Spills and Material Storage	<p>- All affected soil/stone in the area of last week's spills or drips have been removed. 4/27/05</p> <p>- One absorbent pad had already been placed under a dump truck at the time of the inspection. No other drips were noted. 4/27/05</p> <p>- BSC does recommend that fuel cans be placed in the storage sheds during overnight and weekend hours. 4/27/05</p>	<p>- The contractors should remain vigilant about securing and handling fuel containers due to the sensitivity of the area.</p> <p>- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. -</p> <p>- Check equipment status on a regular basis.</p> <p>- Report spills to the office immediately, even if they are being controlled.</p>
Additional Observations	- As previously stated, the New Canaan Ave Bridge repair by the DOT is complete. The bank has been stabilized but still requires vegetative cover. 4/13-4/27/05	- The work is unrelated to the Norwalk substation but should be noted as it is occurred in the adjacent area and could be a potential off-site sedimentation source. Continue to monitor. 4/13-4/27/05

Next likely scheduled inspection:

Wednesday, May 4, 2005

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature:

Diana Walden

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Date: April 27, 2005

Inspector: Diana Walden

Location: Plumtree Substation Expansion , Bethel

Storm/

Rain Event The areas received between 1.12-2.35" of rain over 4/23-4/24 and 0.5" on the day of the inspection as reported by NOAA.

Areas of Inspection	Observation	Recommended Action
Access Roads	- No new access roads have been constructed at this time 4/27/05	- None at this time.
Foundation construction	-The major work of connecting the equipment on the constructed slab to the existing equipment is on-going. 3/23-4/27/05	- The areas are all contained at this time and there is little ongoing work that involves soil disturbance. 4/6-4/27/05
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- The working areas of the site were slightly muddy again but the perimeter stone berm continues to work well. 4/27/05	-Nothing at this time. 4/27/05
	- There is no silt fence in place at this time, however the stone perimeter berm is in place and contains the yard well. 4/27/05	-All stockpiles are well-contained and the berm is working effectively at this time. 4/27/05

Areas of Inspection	Observation	Recommended Action
	- A majority of the soil has been removed to appropriate off-site locations but some will remain on an as needed basis for the remainder of construction. Portions are not covered in plastic but are well within the site. 3/2-4/27/05	-Continue to monitor status and cover stockpiles with plastic if necessary. 3/2-4/27/05
Inland Wetland and Watercourse encroachment and mitigation	- Wetlands are located around the outskirts of the substation yard. The work within the substation yard has caused no observed sedimentation. 4/27/05	- The stone berm around the perimeter of the yard continues to prevent sedimentation and water from leaving the site and getting to the wetland edge. 4/27/05
State species of concern, threatened and endangered species	- No species of concern are located in this area of construction.	- N/A
Vegetative clearing limits (including trees to save or danger trees noted)	- No vegetation outside of the substation yard will need to be cleared during the expansion work.	- N/A
Dewatering	- No dewatering is occurring at this time although some minor pumping from a manhole was necessary earlier in the week. Water was directed to the stone yard. 4/27/05	- None at this time.
Blasting	- No blasting is occurring on site at this time.	- None at this time.
Spills and Material Storage	- No drips or spills were reported for the week or noted during the inspection. 4/27/05	<p>- The contractors should remain vigilant about securing and handling fuel containers.</p> <p>- Keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. Check equipment status on a regular basis.</p>

Areas of Inspection	Observation	Recommended Action
		- Report spills to the office immediately, even if they are being controlled.
Additional Observations		

Next likely scheduled inspection:

Wednesday, May 4, 2005

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